

Message Text

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TO USDOC WASHDC PRIORITY
INFO SECSTATE WASHDC 5711

UNCLAS SECTION 1 OF 2 MOSCOW 4291

DEPARTMENT PASS HUD FOR FREEMAN

FOR BEWT/TPD

E.O. 11652: N/A
TAGS: BEXP, ECRE, TECH, UR
SUBJECT: CONCRETE-77 S/ME, SEPT 27-29, 1977

REF: USDOC 4634

1. GOSSTROY HAS GIVEN US FOLLOWING LIST OF SPECIFIC THEME
SUGGESTIONS FOR SUBJECT SEMINAR/MINI-EXHIBIT:

A. POLYMER CONCRETE

1. RESULTS OF RESEARCH WORK IN THE AREA OF TECHNOLOGY AND
PROPERTIES OF POLYMER CONCRETES

RESEARCH METHODS IN DRYING, IMPREGNATING AND POLYMERIZATION

IMPREGNATING MATERIALS USED FOR TREATING CONCRETE (MONOMERS,
BONDING AGENTS, INITIATING AGENTS)

PHYSICAL-MECHANICAL, PHYSICAL-CHEMICAL AND OTHER PROPERTIES OF
CONCRETES FULLY OR PARTIALLY IMPREGNATED WITH POLYMERS,
DURABILITY IN PRESENCE OF HOSTILE ENVIRONMENTS AND HEAT RESISTANCE
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2. INDUSTRIAL TECHNOLOGY OF POLYMER CONCRETES

GENERAL DESCRIPTION OF PLANT TECHNOLOGY FOR POLYMER CONCRETE
PRODUCTS

EQUIPMENT FOR IMPREGNATION AND POLYMERIZATION PROCESSES

CONVERSION IN TECHNOLOGY FOR CHANGES IN PRODUCT SIZE AND FORM

CONSERVATION AND RE-USE OF IMPREGNATION COMPOUND; MAINTENANCE OF
POLYMERIZATION INITIATING AGENTS

EQUIPMENT AND TECHNOLOGY FOR RADIATION POLYMERIZATION

METHODS OF PLANT PROCESS CONTROL FOR DEEP DRYING OF
IMPREGNATION AND POLYMERIZATION

TREATMENT OF CONCRETE SURFACES OF STRUCTURES IN CONSTRUCTION
CONDITIONS

METHODS OF DEEP (TO 50 CM) IMPREGNATION OF CONCRETE CONSTRUCTION
WITH MONOMERS

SAFETY TECHNIQUES; PROTECTION OF THE ENVIRONMENT FROM PRODUCTION
EFFLUENTS

3. USES OF POLYMER CONCRETE

INDUSTRIAL AND CIVIL CONSTRUCTION

RURAL CONSTRUCTION

UNDERGROUND STRUCTURES

OFF-SHORE STRUCTURES
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TRANSPORT CONSTRUCTION

PIPELINES

OTHERS

4. DESIGNS, PREPARATION AND USE OF POLYMER CONCRETE

NORMATIVE PHYSICAL-MECHANICAL CHARACTERISTICS OF POLYMER CONCRETE

TESTING METHODS, INCLUDING NON-DESTRUCTIVE STRENGTH TESTING

TECHNICAL DESIGNS

METHODS OF RATIONAL ANALYSIS OF STRUCTURES FULLY OR PARTIALLY
IMPREGNATED WITH POLYMERS

UNIFORMITY OF PROPERTIES OF POLYMER CONCRETE IN CONSTRUCTION

REINFORCEMENT WORK IN POLYMER CONCRETE (INCLUDING PRESTRESSING),
WELDING OF REINFORCEMENTS DURING ERECTION OF POLYMER CONCRETE
STRUCTURES

B. CONCRETE WITH DISPERSED REINFORCEMENT

1. PHYSICAL-TECHNICAL PROPERTIES OF CONCRETE WITH DISPERSED
REINFORCEMENT AND RATIONAL AREAS FOR ITS USE. EXAMPLES OF LARGE-
SCALE APPLICATION OF CONCRETE WITH DISPERSED REINFORCEMENT IN
STRUCTURES AND CONCRETE PRODUCTS.

2. TECHNICAL REQUIREMENTS FOR FIBERS. METHODS AND EQUIPMENT
FOR PRODUCING FIBERS.

3. METHODS AND EQUIPMENT FOR BATCHING, PREPARATION AND
COMPRESSION OF CONCRETE REINFORCED WITH DISPERSED FIBERS
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4. TECHNICAL-ECONOMIC INDICATIONS FOR USE OF CONCRETE WITH
DISPERSED REINFORCEMENT

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UNCLAS SECTION 2 OF 2 MOSCOW 4291

DEPARTMENT PASS HUD FOR FREEMAN

FOR BEWT/TPD

C. FORMS

1. FORM DESIGNS

COLLAPSIBLE-PORTABLE FORMS WITH UNIVERSAL APPLICATION

FORMS FOR BRIDGING

PANEL FORMS

BLOCK FORMS

FIXED-SHAPE PORTABLE FORMS

PNEUMATIC FORMS

HEATED FORMS

SLIP FORMS WITH LIFTING SYSTEM AND OTHERS

OTHER FORMS

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2. FORM MATERIALS

TRADITIONAL

NEW EFFICIENT MATERIALS WITH DESCRIPTIONS

MATERIALS FOR PNEUMATIC AND SPECIAL TYPES OF FORMS

3. MANUFACTURING TECHNOLOGY

MATERIAL PROCUREMENT, PREPARATION AND TREATMENT

PRODUCTION ORGANIZATION, PLANT CAPACITY AND USE OF EQUIPMENT

4. BUILDING TECHNOLOGY

ASSEMBLY AND DISMANTLING OF FORMS

ASSEMBLY, PLACEMENT AND DISMANTLING OF SLIP FORMS

HEATING OF CEMENT IN THERMAL FORMS

ERECTION TECHNOLOGY FOR PNEUMATIC FORMS

ERECTION OF FORMS FOR INDUSTRIAL, RESIDENTIAL AND OTHER CONSTRUCTION

MEANS OF ASSEMBLY AND REINFORCEMENT OF PORTABLE FORMS IN

CONSTRUCTION

5. SCIENTIFIC RESEARCH AND PLANNING WORK IN FORM TECHNOLOGY

ESTIMATING AND PLANNING

STANDARDS FOR TYPES AND CONSTRUCTION OF FORMS

RATIONAL AREAS FOR USE OF VARIOUS TYPES OF FORMS

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2. IN MARCH 30 MEETING WITH V.V. SHVARKOV, NEW CHIEF OF FOREIGN RELATIONS DEPT, AND OTHER GOSSTROY OFFICIALS, COMOFF SAID THAT USDOC WOULD ATTEMPT TO RECRUIT ALL S/ME PARTICIPANTS FROM THESE PRODUCT AREAS, WHICH ARE OF PRIMARY INTEREST TO GOSSTROY. HE CAUTIONED, HOWEVER, THAT IT MIGHT BE NECESSARY TO SPILL OVER INTO OTHER SECTORS OF CONCRETE INDUSTRY TO ATTRACT EIGHT FIRMS. SHVARKOV RECOGNIZED POSSIBLE NECESSITY OF SPILLOVER BUT ASKED, IN INTEREST OF BOTH FIRMS AND SOVIETS, THT USCO SUPPLY COMPANY CATALOGS FOR REVIEW AND APPROVAL BY GOSSTROY SPECIALISTS BEFORE ACCEPTING APPLICATIONS FROM FIRMS IN OTHER SECTORS OF CONCRETE INDUSTRY. HE SEEMED HAPPY TO LEARN THAT HUD IS WORKING WITH USDOC ON FIRM SELECTION AND OFFERED TO ARRANGE PROGRAM ON SEPT. 30 FOLLOWING SEMINAR TO ACQUAINT U.S. PARTICIPANTS WITH SOVIET DEVELOPMENTS IN CONCRETE INDUSTRY.

3. ACTION REQUESTED:

A. PLEASE PROCEED WITH RECRUITMENT ON BASIS OF GOSSTROY'S SUGGESTIONS IN PARA 1 ABOVE. TWO GOOD PROSPECTS ARE ARCHITECTURAL RESEARCH CORPORATION, LIVONIA, MICHIGAN, TEL. 313-525-9400, WHOSE PRESIDENT, RICHARD C. PRUSINSKI, VISITED USCO LAST DECEMBER TO DISCUSS SALE OF FIRM'S POLYMER CONCRETE TECHNOLOGY, AND ECONOMY FORMS CORP., KENT, WASHINGTON, TEL: 206-852-3800, WHOSE INTERNATIONAL REPRESENTATIVE, PETER E. SULLIVAN, CORRESPONDED WITH USCO IN MARCH AND NOVEMBER 1976 ABOUT POSSIBLE SALE OF CONCRETE FORM TECHNOLOGY. WE WILL SEND TELEXES TO BOTH FIRMS, BUT TPD OFFICER MAY WISH TO FOLLOW UP WITH TELEPHONE CALLS. AS SOON AS A COMPANY IS RECRUITED, PLEASE SEND 10 COPIES OF DETAILED LITERATURE IMMEDIATELY AS GOSSTROY ANXIOUS TO MONITOR RECRUITMENT PROCESS.

B. IF IT IS NOT POSSIBLE TO RECRUIT 6-8 FIRMS IN AREAS DESCRIBED IN PARA 1, PLEASE SEND 10 COPIES OF CATALOGS FROM POTENTIAL PARTICIPANTS IN OTHER SECTORS OF CONCRETE INDUSTRIES FOR REVIEW AND APPROVAL BY GOSSTROY SPECIALISTS. COMPANIES OUTSIDE CONCRETE

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INDUSTRY WOULD NOT RPT NOT BE ACCEPTABLE, HOWEVER, AS S/ME
WOULD THEN BE TOO DIVERSE TO ATTRACT HIGHLY QUALIFIED SPECIALIST
AUDIENCE.
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